Team ID:	PNT2022TMID31589
Project Name:	Plasma Donor Application

SendGrid Integration with Python Code:

Creating API Key:

Create API Key

API Key Name •

testAPIKey1

API Key Permissions •

Full Access

Allows the API key to access GET, PATCH, PUT, DELETE, and POST endpoints for all parts of your account, excluding billing and Email Address Validation.

Restricted Access

Customize levels of access for all parts of your account, excluding billing and Email Address Validation.

Billing Access

Allows the API key to access billing endpoints for the account. (This is especially useful for Enterprise or Partner customers looking for more advanced account management.)

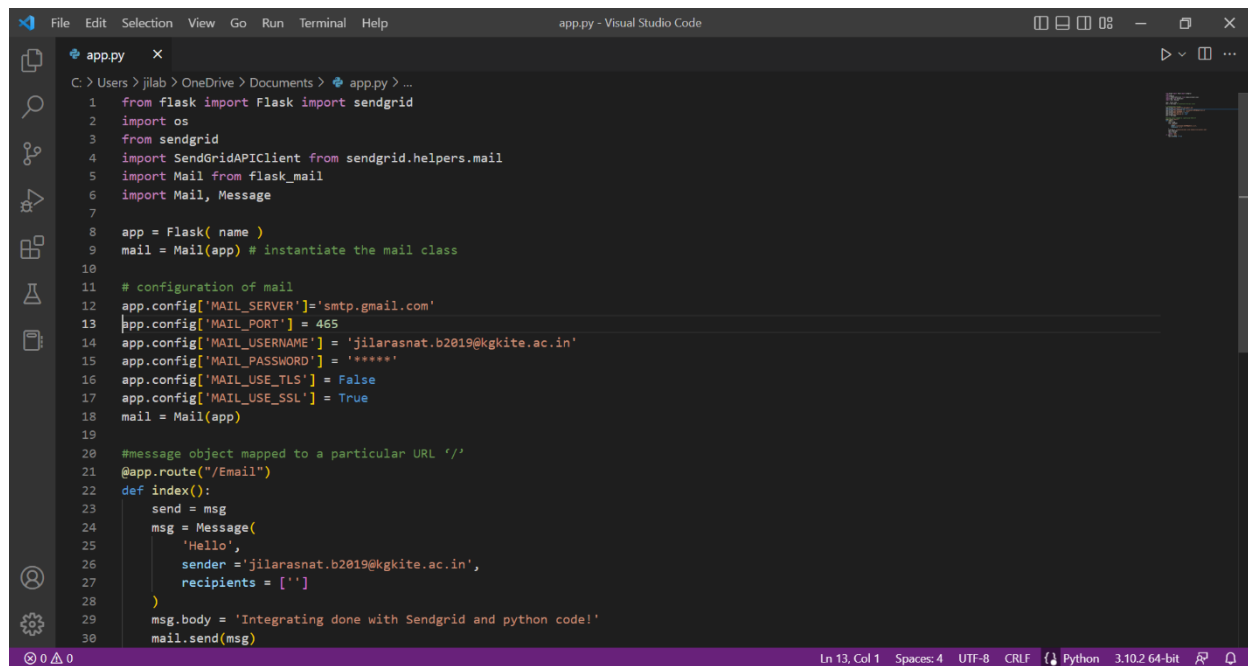Cancel   Create & View

API Key Created

Please copy this key and save it somewhere safe.

For security reasons, we cannot show it to you again

Done

Python Code:

```python
from flask import Flask import sendgrid
import os
from sendgrid
import SendGridAPIClient from sendgrid.helpers.mail
import Mail from flask_mail
import Mail, Message

app = Flask( name )
mail = Mail(app) # instantiate the mail class

# configuration of mail
app.config['MAIL_SERVER']='smtp.gmail.com'
app.config['MAIL_PORT'] = 465
app.config['MAIL_USERNAME'] = 'jilarasnat.b2019@kgkite.ac.in'
app.config['MAIL_PASSWORD'] = '*****'
app.config['MAIL_USE_TLS'] = False
app.config['MAIL_USE_SSL'] = True
mail = Mail(app)

#message object mapped to a particular URL '/'
@app.route("/Email")
def index():
    send = msg
    msg = Message(
        'Hello',
        sender ='jilarasnat.b2019@kgkite.ac.in',
        recipients = ['']
    )
    msg.body = 'Integrating done with Sendgrid and python code!'
    mail.send(msg)
```

OUTPUT:

SendGrid Mail Service

From 510919205023@smartinternz.com via sendgrid.net on 2022-11-17 23:44
Details

Integrating done with SendGrid and python code!